



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/611,917	07/03/2003	Shabbir Bambot	SPRX-021C1	5602
34610	7590	07/22/2005	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			STAFIRA, MICHAEL PATRICK	
			ART UNIT	PAPER NUMBER
			2877	
DATE MAILED: 07/22/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Supplemental Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/611,917	BAMBOT ET AL. <i>(CML)</i>	
	Examiner Michael P. Stafira	Art Unit 2877	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to amendment filed 3/4/2005.
2.  The allowed claim(s) is/are 24-41 and 44-49.
3.  The drawings filed on 03 July 2003 are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
    - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

- a. Please add the following abstract:

-- Abstract :

An apparatus and method embodying the invention including utilizing a device with a limited number of interrogation devices to accomplish a large number of measurements on a target tissue. An instrument embodying the invention includes a plurality of detection devices that are arranged in a predetermined pattern on a tissue contacting face of the instrument. The face of the instrument is located adjacent the target tissue, and a plurality of tissue characteristic measurement are simultaneously conducted. The detection devices are moved to a new position, preferably without moving the tissue contacting face, and a second plurality of tissue characteristic measurements are simultaneously conducted. By conducting a series of measurement cycles in this manner, the ultimate resolution of the device is increased, while still obtaining a given resolution, which reduces potential cross-talk errors. Further, a plurality of tissue characteristics are

simultaneously obtained from locations spaced across the target tissue during each measurement cycle.--.

*Allowable Subject Matter*

1. Claims 24-41, 44-49 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

The Applicant, in his "Amendment in Response to the Final Rejection" received March 4, 2005, canceled claims 42 and 43, and amended claims 40 and 41 to incorporate the objected subject matter of claim 41 as indicated by the Examiner in the Final Rejection.

With respect to the 35 U.S.C. 1039(a) rejection of the independent claim 40, the Applicant demonstrated to the Examiner's satisfaction that with the new amendment to claim 40 and 41, the primary reference of Sato ('462) in view of Winston ('210) is no longer applicable to the Applicant's invention.

Regarding claim 24, the prior art fails to disclose or make obvious an instrument for precisely determining characteristics of a target material having a mechanism attached wherein the mechanism is configured to allow the inner core to be rotated relative the outer housing between a plurality of precisely predetermined rotational positions relative to the outer housing to position said array at a plurality of generally adjacent locations, so that measurements can be taken sequentially through said fibers at generally adjacent locations while minimizing cross between fibers in said array, and in combination with the other recited limitations of claim 24.

Claims 25-39 are allowed by the virtue of dependency on the allowed claim 24.

Art Unit: 2877

Regarding claims 40 and 41, the prior art fails to disclose or make obvious an instrument for determining characteristics of a target material having the device configured such that positioning mechanism allows the detector to determine characteristics of a target material at a plurality of interrogation locations, and wherein none of the interrogation locations are coincident but close enough that if interrogated simultaneously would experience cross-talk between the locations, and in combination with the other recited limitations of claims 40 and 41.

Regarding claim 44, the prior art fails to disclose or make obvious a method of detecting characteristics of a target material having the steps of sequentially repositioning the plurality of interrogation devices so that they are adjacent at least one additional plurality of interrogation positions on the target material, wherein the first and at least one additional plurality of positions are not coincident but are sufficiently close that, if interrogated simultaneously would experience cross-talk there between; and detecting characteristics of the target material at the at least one additional plurality of interrogation positions, and in combination with the other recited limitations of claim 44. Claims 45-49 are allowed by the virtue of dependency on the allowed claim 44.

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael P. Stafira whose telephone number is 571-272-2430. The examiner can normally be reached on 4/10 Schedule Mon.-Thurs..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory Toatley can be reached on 571-272-2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael P. Stafira  
Primary Examiner  
Art Unit 2877

July 20, 2005